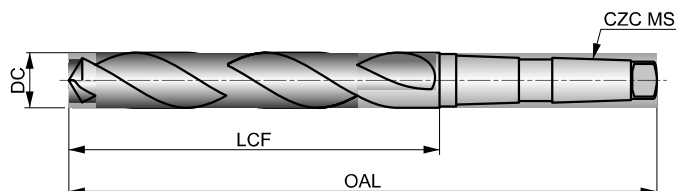


A130

DORMER

HSS Taper Shank Drill, Steam Tempered Finish

Versatile drill with larger diameters - up to 50.80mm (2 inches). Tapered shank provides a better grip for holding it in the machine. Conventional 118° point provides strength and makes it easy to regrind. Steam tempered finish retains cutting fluid and prevents chip to tool welding. Suitable for drilling many materials.



HSS	DIN 345	4xD
118°		
20-35°		DC h8

Workpiece material group suitability, starting values for cutting speed (m/min) and feed Alpha Code. Tables with feed per revolution can be found starting from page 274.

P1.1 ■ 33 I	P1.2 ■ 37 I	P1.3 ■ 38 I	P2.1 ■ 28 I	P2.2 ■ 25 F	P2.3 ■ 22 E	P3.1 ■ 18 F	P3.2 ■ 14 F	P3.3 ■ 12 E	P4.1 ■ 11 F	P4.2 ■ 9 E	P4.3 ■ 7 D	M1.1 ■ 21 E	M1.2 ■ 17 E
M2.1 ■ 18 E	M2.2 ■ 15 E	M3.1 ■ 10 G	M3.2 ■ 9 G	M3.3 ■ 8 G	M4.1 ■ 10 C	K1.1 ■ 30 I	K1.2 ■ 22 E	K1.3 ■ 17 E	K2.1 ■ 25 E	K2.2 ■ 20 E	K2.3 ■ 16 E	K3.1 ■ 22 E	K3.2 ■ 17 E
K3.3 ■ 13 E	K4.1 ■ 20 E	K4.2 ■ 15 E	K4.3 ■ 11 E	K4.4 ■ 10 E	K4.5 ■ 8 E	K5.1 ■ 23 E	K5.2 ■ 17 E	K5.3 ■ 13 E	N1.1 ■ 26 J	N1.2 ■ 20 J	N1.3 ■ 13 I	N2.1 ■ 43 H	N2.2 ■ 39 H
N2.3 ■ 28 H	N3.1 ■ 59 H	N3.2 ■ 35 I	N3.3 ■ 18 F	N4.1 ■ 30 K	N4.2 ■ 28 J	N4.3 ■ 14 H	S1.1 ■ 23 F	S1.2 ■ 13 D	S1.3 ■ 7 B	S2.1 ■ 9 E	S2.2 ■ 6 A	S3.1 ■ 7 E	S3.2 ■ 4 A
S4.1 ■ 5 E	S4.2 ■ 3 A												

DC > 14mm Point Thinned.

Product	DC (inch)	DC (mm)	DC (inch)	LCF (mm)	OAL (mm)	CZC MS
A1303.0	—	3.00	0.1181	33.0	114.0	MK 1
A1301/8	1/8	3.18	0.1250	36.0	117.0	MK 1
A1303.3	—	3.30	0.1299	36.0	117.0	MK 1
A1303.5	—	3.50	0.1378	39.0	120.0	MK 1
A1304.0	—	4.00	0.1575	43.0	124.0	MK 1
A1304.2	—	4.20	0.1654	43.0	124.0	MK 1
A1304.25	—	4.25	0.1673	43.0	124.0	MK 1
A1304.5	—	4.50	0.1772	47.0	128.0	MK 1
A1303/16	3/16	4.76	0.1875	52.0	133.0	MK 1
A1305.0	—	5.00	0.1969	52.0	133.0	MK 1
A1305.1	—	5.10	0.2008	52.0	133.0	MK 1
A13013/64	13/64	5.16	0.2031	52.0	133.0	MK 1
A1305.2	—	5.20	0.2047	52.0	133.0	MK 1
A1305.5	—	5.50	0.2165	57.0	138.0	MK 1
A1306.0	—	6.00	0.2362	57.0	138.0	MK 1
A1301/4	1/4	6.35	0.2500	63.0	144.0	MK 1
A1306.5	—	6.50	0.2559	63.0	144.0	MK 1
A1306.7	—	6.70	0.2638	63.0	144.0	MK 1
A13017/64	17/64	6.75	0.2656	69.0	150.0	MK 1
A1306.75	—	6.75	0.2657	69.0	150.0	MK 1
A1306.8	—	6.80	0.2677	69.0	150.0	MK 1
A1307.0	—	7.00	0.2756	69.0	150.0	MK 1
A1309/32	9/32	7.14	0.2813	69.0	150.0	MK 1

Product	DC	DC	DC	LCF	OAL	CZC MS
	(inch)	(mm)	(inch)	(mm)	(mm)	
A1307.5	—	7.50	0.2953	69.0	150.0	MK 1
A1305/16	5/16	7.94	0.3125	75.0	156.0	MK 1
A1308.0	—	8.00	0.3150	75.0	156.0	MK 1
A1308.2	—	8.20	0.3228	75.0	156.0	MK 1
A1308.5	—	8.50	0.3346	75.0	156.0	MK 1
A1308.6	—	8.60	0.3386	81.0	162.0	MK 1
A1308.7	—	8.70	0.3425	81.0	162.0	MK 1
A13011/32	11/32	8.73	0.3438	81.0	162.0	MK 1
A1308.75	—	8.75	0.3445	81.0	162.0	MK 1
A1309.0	—	9.00	0.3543	81.0	162.0	MK 1
A1309.5	—	9.50	0.3740	81.0	162.0	MK 1
A1303/8	3/8	9.52	0.3750	87.0	168.0	MK 1
A13010.0	—	10.00	0.3937	87.0	168.0	MK 1
A13010.2	—	10.20	0.4016	87.0	168.0	MK 1
A13010.25	—	10.25	0.4035	87.0	168.0	MK 1
A13010.3	—	10.30	0.4055	87.0	168.0	MK 1
A13013/32	13/32	10.32	0.4063	87.0	168.0	MK 1
A13010.5	—	10.50	0.4134	87.0	168.0	MK 1
A13027/64	27/64	10.72	0.4219	94.0	175.0	MK 1
A13010.75	—	10.75	0.4232	94.0	175.0	MK 1
A13010.8	—	10.80	0.4252	94.0	175.0	MK 1
A13011.0	—	11.00	0.4331	94.0	175.0	MK 1
A1307/16	7/16	11.11	0.4375	94.0	175.0	MK 1
A13011.2	—	11.20	0.4409	94.0	175.0	MK 1
A13011.5	—	11.50	0.4528	94.0	175.0	MK 1
A13011.75	—	11.75	0.4626	94.0	175.0	MK 1
A13011.8	—	11.80	0.4646	94.0	175.0	MK 1
A13012.0	—	12.00	0.4724	101.0	182.0	MK 1
A13012.2	—	12.20	0.4803	101.0	182.0	MK 1
A13012.25	—	12.25	0.4823	101.0	182.0	MK 1
A13031/64	31/64	12.30	0.4844	101.0	182.0	MK 1
A13012.5	—	12.50	0.4921	101.0	182.0	MK 1
A13012.7	—	12.70	0.5000	101.0	182.0	MK 1
A1301/2	1/2	12.70	0.5000	101.0	182.0	MK 1
A13012.75	—	12.75	0.5020	101.0	182.0	MK 1
A13012.8	—	12.80	0.5039	101.0	182.0	MK 1
A13013.0	—	13.00	0.5118	101.0	182.0	MK 1
A13033/64	33/64	13.10	0.5156	101.0	182.0	MK 1
A13013.2	—	13.20	0.5197	101.0	182.0	MK 1
A13013.25	—	13.25	0.5217	108.0	189.0	MK 1
A13017/32	17/32	13.49	0.5313	108.0	189.0	MK 1
A13013.5	—	13.50	0.5315	108.0	189.0	MK 1
A13013.75	—	13.75	0.5413	108.0	189.0	MK 1
A13013.8	—	13.80	0.5433	108.0	189.0	MK 1
A13013.9	—	13.90	0.5472	108.0	189.0	MK 1
A13014.0	—	14.00	0.5512	108.0	189.0	MK 1
A13014.1	—	14.10	0.5551	114.0	212.0	MK 2
A13014.2	—	14.20	0.5591	114.0	212.0	MK 2
A13014.25	—	14.25	0.5610	114.0	212.0	MK 2
A1309/16	9/16	14.29	0.5625	114.0	212.0	MK 2
A13014.3	—	14.30	0.5630	114.0	212.0	MK 2
A13014.5	—	14.50	0.5709	114.0	212.0	MK 2
A13037/64	37/64	14.68	0.5781	114.0	212.0	MK 2
A13014.75	—	14.75	0.5807	114.0	212.0	MK 2
A13014.8	—	14.80	0.5827	114.0	212.0	MK 2
A13014.9	—	14.90	0.5866	114.0	212.0	MK 2
A13015.0	—	15.00	0.5906	114.0	212.0	MK 2
A13015.1	—	15.10	0.5945	120.0	218.0	MK 2
A13015.2	—	15.20	0.5984	120.0	218.0	MK 2
A13015.25	—	15.25	0.6004	120.0	218.0	MK 2
A13039/64	39/64	15.48	0.6094	120.0	218.0	MK 2
A13015.5	—	15.50	0.6102	120.0	218.0	MK 2



Product	DC	DC	DC	LCF	OAL	CZC MS
	(inch)	(mm)	(inch)	(mm)	(mm)	
A13015.7	—	15.70	0.6181	120.0	218.0	MK 2
A13015.75	—	15.75	0.6201	120.0	218.0	MK 2
A13015.8	—	15.80	0.6220	120.0	218.0	MK 2
A1305/8	5/8	15.88	0.6250	120.0	218.0	MK 2
A13015.9	—	15.90	0.6260	120.0	218.0	MK 2
A13016.0	—	16.00	0.6299	120.0	218.0	MK 2
A13016.1	—	16.10	0.6339	125.0	223.0	MK 2
A13016.2	—	16.20	0.6378	125.0	223.0	MK 2
A13016.25	—	16.25	0.6398	125.0	223.0	MK 2
A13041/64	41/64	16.27	0.6406	125.0	223.0	MK 2
A13016.5	—	16.50	0.6496	125.0	223.0	MK 2
A13021/32	21/32	16.67	0.6563	125.0	223.0	MK 2
A13016.75	—	16.75	0.6594	125.0	223.0	MK 2
A13017.0	—	17.00	0.6693	125.0	223.0	MK 2
A13043/64	43/64	17.07	0.6719	130.0	228.0	MK 2
A13017.25	—	17.25	0.6791	130.0	228.0	MK 2
A13011/16	11/16	17.46	0.6875	130.0	228.0	MK 2
A13017.5	—	17.50	0.6890	130.0	228.0	MK 2
A13017.75	—	17.75	0.6988	130.0	228.0	MK 2
A13045/64	45/64	17.86	0.7031	130.0	228.0	MK 2
A13018.0	—	18.00	0.7087	130.0	228.0	MK 2
A13018.25	—	18.25	0.7185	135.0	233.0	MK 2
A13023/32	23/32	18.26	0.7188	135.0	233.0	MK 2
A13018.5	—	18.50	0.7283	135.0	233.0	MK 2
A13047/64	47/64	18.65	0.7344	135.0	233.0	MK 2
A13018.75	—	18.75	0.7382	135.0	233.0	MK 2
A13019.0	—	19.00	0.7480	135.0	233.0	MK 2
A1303/4	3/4	19.05	0.7500	140.0	238.0	MK 2
A13019.25	—	19.25	0.7579	140.0	238.0	MK 2
A13019.5	—	19.50	0.7677	140.0	238.0	MK 2
A13019.75	—	19.75	0.7776	140.0	238.0	MK 2
A13025/32	25/32	19.84	0.7813	140.0	238.0	MK 2
A13020.0	—	20.00	0.7874	140.0	238.0	MK 2
A13020.25	—	20.25	0.7972	145.0	243.0	MK 2
A13020.5	—	20.50	0.8071	145.0	243.0	MK 2
A13013/16	13/16	20.64	0.8125	145.0	243.0	MK 2
A13020.75	—	20.75	0.8169	145.0	243.0	MK 2
A13021.0	—	21.00	0.8268	145.0	243.0	MK 2
A13021.25	—	21.25	0.8366	150.0	248.0	MK 2
A13021.5	—	21.50	0.8465	150.0	248.0	MK 2
A13021.75	—	21.75	0.8563	150.0	248.0	MK 2
A13022.0	—	22.00	0.8661	150.0	248.0	MK 2
A1307/8	7/8	22.22	0.8750	150.0	248.0	MK 2
A13022.25	—	22.25	0.8760	150.0	248.0	MK 2
A13022.5	—	22.50	0.8858	155.0	253.0	MK 2
A13057/64	57/64	22.62	0.8906	155.0	253.0	MK 2
A13022.75	—	22.75	0.8957	155.0	253.0	MK 2
A13023.0	—	23.00	0.9055	155.0	253.0	MK 2
A13029/32	29/32	23.02	0.9063	155.0	253.0	MK 2
A13023.25	—	23.25	0.9154	155.0	276.0	MK 3
A13023.5	—	23.50	0.9252	155.0	276.0	MK 3
A13023.75	—	23.75	0.9350	160.0	281.0	MK 3
A13015/16	15/16	23.81	0.9375	160.0	281.0	MK 3
A13024.0	—	24.00	0.9449	160.0	281.0	MK 3
A13061/64	61/64	24.21	0.9531	160.0	281.0	MK 3
A13024.5	—	24.50	0.9646	160.0	281.0	MK 3
A13024.75	—	24.75	0.9744	160.0	281.0	MK 3
A13025.0	—	25.00	0.9843	160.0	281.0	MK 3
A13025.25	—	25.25	0.9941	165.0	286.0	MK 3
A1301	1"	25.40	1.0000	165.0	286.0	MK 3
A13025.5	—	25.50	1.0039	165.0	286.0	MK 3
A13025.75	—	25.75	1.0138	165.0	286.0	MK 3



Product	DC	DC	DC	LCF	OAL	CZC MS
	(inch)	(mm)	(inch)	(mm)	(mm)	
A13026.0	—	26.00	1.0236	165.0	286.0	MK 3
A13026.25	—	26.25	1.0335	165.0	286.0	MK 3
A13026.5	—	26.50	1.0433	165.0	286.0	MK 3
A1301.1/16	1.1/16	26.99	1.0625	170.0	291.0	MK 3
A13027.0	—	27.00	1.0630	170.0	291.0	MK 3
A13027.5	—	27.50	1.0827	170.0	291.0	MK 3
A13028.0	—	28.00	1.1024	170.0	291.0	MK 3
A13028.5	—	28.50	1.1220	175.0	296.0	MK 3
A1301.1/8	1.1/8	28.58	1.1250	175.0	296.0	MK 3
A13029.0	—	29.00	1.1417	175.0	296.0	MK 3
A13029.5	—	29.50	1.1614	175.0	296.0	MK 3
A13030.0	—	30.00	1.1811	175.0	296.0	MK 3
A1301.3/16	1.3/16	30.16	1.1875	180.0	301.0	MK 3
A13030.5	—	30.50	1.2008	180.0	301.0	MK 3
A13031.0	—	31.00	1.2205	180.0	301.0	MK 3
A13031.5	—	31.50	1.2402	180.0	301.0	MK 3
A1301.1/4	1.1/4	31.75	1.2500	185.0	306.0	MK 3
A13032.0	—	32.00	1.2598	185.0	334.0	MK 4
A13032.5	—	32.50	1.2795	185.0	334.0	MK 4
A13033.0	—	33.00	1.2992	185.0	334.0	MK 4
A13033.5	—	33.50	1.3189	185.0	334.0	MK 4
A13034.0	—	34.00	1.3386	190.0	339.0	MK 4
A13034.5	—	34.50	1.3583	190.0	339.0	MK 4
A1301.3/8	1.3/8	34.93	1.3750	190.0	339.0	MK 4
A13035.0	—	35.00	1.3780	190.0	339.0	MK 4
A13035.5	—	35.50	1.3976	190.0	339.0	MK 4
A13036.0	—	36.00	1.4173	195.0	344.0	MK 4
A13037.0	—	37.00	1.4567	195.0	344.0	MK 4
A13037.5	—	37.50	1.4764	195.0	344.0	MK 4
A13038.0	—	38.00	1.4961	200.0	349.0	MK 4
A1301.1/2	1.1/2	38.10	1.5000	200.0	349.0	MK 4
A13038.5	—	38.50	1.5157	200.0	349.0	MK 4
A13039.0	—	39.00	1.5354	200.0	349.0	MK 4
A13039.5	—	39.50	1.5551	200.0	349.0	MK 4
A13040.0	—	40.00	1.5748	200.0	349.0	MK 4
A13041.0	—	41.00	1.6142	205.0	354.0	MK 4
A13042.0	—	42.00	1.6535	205.0	354.0	MK 4
A13043.0	—	43.00	1.6929	210.0	359.0	MK 4
A13044.0	—	44.00	1.7323	210.0	359.0	MK 4
A1301.3/4	1.3/4	44.45	1.7500	210.0	359.0	MK 4
A13045.0	—	45.00	1.7717	210.0	359.0	MK 4
A13046.0	—	46.00	1.8110	215.0	364.0	MK 4
A13048.0	—	48.00	1.8898	220.0	369.0	MK 4
A13049.0	—	49.00	1.9291	220.0	369.0	MK 4
A13050.0	—	50.00	1.9685	220.0	369.0	MK 4
A1302	2"	50.80	2.0000	225.0	374.0	MK 4